

device according to procedures prescribed in FGIS instructions. Also, underdeveloped, shriveled, and small pieces of triticale kernels removed in properly separating the material other than triticale and that cannot be recovered by properly rescreening or recleaning.

(d) *Foreign material.* All matter other than triticale.

(e) *Heat-damaged kernels.* Kernels, pieces of triticale kernels, and other grains that are materially discolored and damaged by heat.

(f) *Other grains.* Barley, corn, cultivated buckwheat, einkorn, emmer, flaxseed, guar, hull-less barley, nongrain sorghum, oats, Polish wheat, popcorn, poulard wheat, rice, rye, safflower, sorghum, soybeans, spelt, sunflower seed, sweet corn, wheat, and wild oats.

(g) *Shrunken and broken kernels.* All matter that passes through a 0.064x3/8 oblong-hole sieve after sieving accord-

ing to procedures prescribed in FGIS instructions.

(h) *Sieve—0.064x3/8 oblong-hole sieve.* A metal sieve 0.032 inch thick with oblong perforations 0.064 inch by 0.375 (3/8) inch.

[52 FR 24418, June 30, 1987; 52 FR 28534, July 31, 1987]

PRINCIPLES GOVERNING THE APPLICATION OF STANDARDS

§ 810.2003 Basis of determination.

Each determination of heat-damaged kernels, damaged kernels, material other than wheat or rye, and foreign material (total) is made on the basis of the grain when free from dockage and shrunken and broken kernels. Other determinations not specifically provided for under the general provisions are made on the basis of the grain when free from dockage except the determination of odor is made on either the basis of the grain as a whole or the grain when free from dockage.

GRADES AND GRADE REQUIREMENTS

§ 810.2004 Grades and grade requirements for triticale.

Grade	Minimum test weight per bushel (pounds)	Maximum limits of—					
		Damaged Kernels		Foreign material		Shrunken and broken kernels (percent)	Defects ³ (percent)
		Heat damaged (percent)	Total ¹ (percent)	Material other than wheat or rye (percent)	Total ² (percent)		
U.S. No. 1	48.0	0.2	2.0	1.0	2.0	5.0	5.0
U.S. No. 2	45.0	0.2	4.0	2.0	4.0	8.0	8.0
U.S. No. 3	43.0	0.5	8.0	3.0	7.0	12.0	12.0
U.S. No. 4	41.0	3.0	15.0	4.0	10.0	20.0	20.0

U.S. Sample grade—

U.S. Sample grade is triticale that:

- (a) Does not meet the requirements for the grades U.S. Nos. 1, 2, 3, or 4; or
- (b) Contains 8 or more stones or any number of stones which have an aggregate weight in excess of 0.2 percent of the sample weight, 2 or more pieces of glass, 3 or more crotalaria seeds (*Crotalaria* spp.), 2 or more castor beans (*Ricinus communis* L.), 4 or more particles of an unknown foreign substance(s) or a commonly recognized harmful or toxic substance(s), 2 or more rodent pellets, bird droppings, or equivalent quantity of other animal filth per 1½ to 1¼ quarts of triticale; or
- (c) Has a musty, sour, or commercially objectionable foreign odor (except smut or garlic odor); or
- (d) Is heating or otherwise of distinctly low quality.

¹ Includes heat-damaged kernels.

² Includes material other than wheat or rye.

³ Defects include damaged kernels (total), foreign material (total) and shrunken and broken kernels. The sum of these three factors may not exceed the limit for defects for each numerical grade.

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